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6 March 1961

Where is it — ?

MEMORANDUM FOR: Chief, TISD

SUBJECT: Discussion of Programs-in-Progress and Additional
Program Requirements with [ ]

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1. On 2 March the reporting officer met with Messrs. [ ] for the purpose of outlining the additional programming requirement that we are putting forth on behalf of ACSI Special Projects. [ ] will provide us with an estimate of time and cost for this undertaking early in the week of 5 March. Before actual coding of the new problem is begun, [ ] will furnish a detailed flow chart for [ ] and I to check.

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2. [ ] had numerous questions as to the exact logical structure of our particular machine. Various aspects of the "Horizon Program" inadequacies were discussed with [ ] He feels that he is fairly close to locating the cause of the non-repeatability of the program but will require some machine running with tape inputs known to produce erroneous results (and with the output portion of the program modified to suppress outputs of a classified nature.) Since this can only be accomplished on our machine, it will be necessary for [ ] to come here for any further progress to be made on correcting the horizon program.

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3. [ ] reported on program running time estimates prepared by [ ] from the flow charts thus far prepared for programs in progress. Most noteworthy were the estimates of 30 hours per iteration with the control extension program and five hours per fan for the program to determine orientation of B camera exposures from horizon images. On the basis of the 30 hour per iteration estimate (far over the mean error-free running period), I told them not to start coding the problem for the [ ]

4. Our desire that the work be speeded up on the program for reducing camera calibration exposures was put forth to [ ] and the following priorities were tentatively assigned:

a. Repair of horizon program.
b. ACSI Special Projects program revisions.
c. Camera Calibration.
d. Reduction of terrestrial photography.
e. B camera orientation from horizons.
f. The balance of the programs in progress in the same relative order as previously established.

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5. With regard to the control extension program, my reaction is
STATINTL that we should have [ ] write a FORTRAN code for this and that we buy
enough 704 time for them to debug it. Then we would have a program that
we could use on a time rental basis (with suitable factors to disguise
the inputs) if needed, and which we would be able to use on any future
computer we might acquire. If this approach meets with your approval, I
STATINTL will take the matter up with [   ]

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